

GenCore version 5.1.4\_p5-4578  
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OM nucleic - nucleic search, using sw model

Run on: May 8, 2003, 14:51:24 ; Search time 6124 Seconds

(without alignments)  
 13439.821 Million cell updates/sec

Title: US-09-497-822c-18

Perfect score: 5082

Sequence: 1 gagctctggacaaaatttggag.....acaaggcaaaaaaa 5082

Scoring table: IDENTITY NUC Gapop 10.0 , Gapext 1.0

Searched: 16154066 seqs, 8097743376 residues

Total number of hits satisfying chosen parameters:

32308132

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : EST:\*

1: em_estba:*	2: em_estbam:*
3: em_estin:*	4: em_estmu:*
5: em_estov:*	6: em_estpl:*
7: em_estro:*	8: em_htc:*
9: qb.estl:*	10: qb.estz:*
11: qb.htc:*	12: qb.est3:*
13: qb.est4:*	14: qb.est5:*
15: qb.estin:*	16: em.estrom:*
17: qb.gss:*	18: em_gss_hum:*
19: em_gss_inv:*	20: em_gss_pln:*
21: em_gss_vrt:*	22: em_gss_fam:*
23: em_gss_mam:*	24: em_gss_mus:*
25: em_gss_other:*	26: em_gss_pro:*
27: em_gss_rnd:*	

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query	Match	Length	DB	ID	Description
1	571.8	11.3	654	10	AV951855		AV951855 EST363925
2	529	10.4	532	9	AL704463		AL704463 DRFP686A
3	519.4	10.2	634	10	BB612466		BB612466 BB612466
c	501.4	9.9	568	9	AA24966		AA24966 nh35cl1.s
5	462.2	9.1	724	9	A1317423		A1317423 uj22e09.y
6	380.6	7.5	388	9	AA229063		AA229063 nc49g07.s

RESULT	1
AW951855	
LOCUS	
DEFINITION	EST363925 MAGE resequences, MAGB
ACCESSION	Homo sapiens cDNA, mRNA sequence.
VERSION	AW951855.1
KEYWORDS	EST.
SOURCE	Homo sapiens
ORGANISM	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE	1 (bases 1 to 654)
AUTHORS	Hegde, P., Qi, R., Abernathy, K., Dharap, S., Gaspard, R., Gay, C., Holt, J.E., Saeed, A.I., Sharov, V., Lee, N.H., Yeatman, T.J. and Quackenbush, J.
TITLE	Assessment of gene expression patterns in a model of colon tumor metastasis using a 19,200 element cDNA microarray
JOURNAL	Unpublished (2000)
COMMENT	Contact: John Quackenbush The Institute for Genomic Research, Rockville, MD 20850, USA Tel: 301 838 3528 Fax: 301 838 0208 Email: john@tigr.org Plate: 32 Seq primer: Reverse. Location/Qualifiers Source: Organism= "Homo sapiens"

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/db_xref="taxon:9606"
/clone_lib="MAGE Resequences, MAGB"
/note="Vector: pBluescriptSKm"
/_192-5/_132~_172+
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LOCUS	BB612466	634 bp	mRNA	linear	EST 31-AUG-2001
DEFINITION	BB612466 RIKEN full-length enriched, 0 day neonate skin Mus musculus cDNA clone 463421207 5', mRNA sequence.				
ACCESSION	BB612466				
VERSION	BB612466.1				
KEYWORDS	EST.				
SOURCE	house mouse.				
ORGANISM	Mus musculus				
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.					
REFERENCE	Akawa,T., Carninci,P., Fukuda,S., Furuno,M., Hanagaki,T., Hara,A., Hiramoto,K., Hori,F., Ishii,Y., Ito,M., Kanno,H., Kouda,M., Koya,S., Matsuyama,T., Miyazaki,A., Nomura,K., Ohno,M., Okazaki,Y., Okido,T., Saito,R., Sakai,C., Sakuji,K., Sanjo,H., Sasaki,D., Shibata,K., Tagami,M., Tagawa,A., Shinagawa,A., Shiraki,T., Sogabe,J., Suzuki,H., Muramatsu,M. and Hayashizaki,Y.	1 (bases 1 to 634)			
AUTHORS	RIKEN Mouse ESTS (Arakawa,T., et al. 2001)				
TITLE	Unpublished (2001)				
JOURNAL	Contact: Yoshihide Hayashizaki				
COMMENT	Laboratory for Genome Exploration Research Group, RIKEN Genomic Sciences Center (GSC), Yokohama Institute of Physical and Chemical Research (RIKEN) 1-22 Suehiro-cho, Tsurumi-ku, Yokohama, Kanagawa 230-0045, Japan Tel: 81-45-503-9222 Fax: 81-45-503-9216 Email: genome-res@gsc.riken.go.jp/ URL: http://genome.gsc.riken.go.jp/ Carninci,P., Shibata,Y., Hayatsu,N., Sugahara,Y., Shibata,K., Itoh,M., Kondo,H., Okazaki,Y., Muramatsu,M. and Hayashizaki,Y. Normalization and subtraction of cap-trapper-selected cDNAs to prepare full-length cDNA libraries for rapid discovery of new genes. Genome Res. 10 (10), 1517-1630 (2000). Wagi,K., Fujiwara,S., Inoue,K., Togawa,Y., Izawa,M., Ohara,E., Wakahira,M., Yoneda,Y., Ishikawa,T., Ozawa,K., Tanaka,T., Matsuura,S., Kawai,J., Okazaki,Y., Muramatsu,M., Inoue,Y., Kira,A. and Hayashizaki,Y. RIKEN integrated sequence analysis (RISA) system -384-format sequencing pipeline with 384 multiplexillary sequencer. Genome Res. 10 (11), 1757-1771 (2000). Kondo,H., Fukunishi,Y., Shibata,K., Itoh,M., Carninci,P., Sugahara,Y. and Hayashizaki,Y. Computer-based methods for the mouse full-length cDNA encyclopedia: real-time sequence clustering for construction of a nonredundant cDNA library. Genome Res. 11 (2), 281-289 (2001). Yamanaka,I., Kiyosawa,H., Kondo,S., Saito,T., Shinagawa,A., Aizawa,Ishii,Y. and Hayashizaki,Y. Mapping of 19032 mouse cDNAs on mouse chromosomes. J. Struct. Funct. Genomics 2 pre, L72-L86 (2001). Please visit our web site ( <a href="http://genome.gsc.riken.go.jp/">http://genome.gsc.riken.go.jp/</a> ) for further details. e mouse tissues.				
FEATURES	Location/Qualifiers				
source	1. /organism="Mus musculus" /strain="C57BL/6J" /db_xref="taxon:10930" /clone="46321207" /clone_lib="RIKEN full-length enriched, 0 day neonate skin" /sex="mixed" /tissue_type="skin" /dev_stage="0 day neonate" /lab_host="DH10B"				
RESULT	4				
	AA524966/c	568 bp	mRNA	linear	EST 05-AUG-1997
LOCUS	AA524966				
DEFINITION	nh35c11.s1 NCI_CGAP_Pr3 Homo sapiens cDNA clone IMAGE:54356				
ACCESSION	AA524966				
VERSION	AA524966.1				
KEYWORDS	EST.				
SOURCE	human.				
ORGANISM	Homo sapiens				
	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;				

REFERENCE	Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 568)	Qy	4948 TGTCAAAGTTGCTGTATACAGACTACTCTGCCAGCACACAAACGTTTACATTC 5007
AUTHORS	NCI-CGAP http://www.ncbi.nlm.nih.gov/helicgap.	Db	131 TGTCAAAGTTGCTGTATACAGACTACTCTGCCAGCACACAAACGTTTACATTC 72
TITLE	National Cancer Institute, Cancer Genome Anatomy Project (CGAP), Tumor Gene Index	Qy	5008 TTATGCCACGGAAAGTTAGAGCTTAAGATTATCTGGGAATAAACAAAAA 5062
COMMENT	Unpublished (1997) Contact: Robert Strausberg, Ph.D. Email: cgaps-remail.nih.gov	Db	71 TTATGCCACGGAAAGTTAGAGCTTAAGATTATCTGGGAATAAACAAAAA 17
Tissue Procurement: W. Marston Linehan, M.D., Rodrigo Chuquui, M.D., Michael Emmert-Buck, M.D., Ph.D.			
CDNA Library Preparation: David B. Kitzman, Ph.D.			
CDNA Library Arrayed by: Genome Systems Inc., Greg Lennon, Ph.D.			
DNA Sequencing by: Washington University Genome Sequencing Center			
Clone distribution found through the NCI-CGAP clone distribution information can be found through the T.M.A.G.E. Consortium/LINL at: www-bio.lnl.gov/bbrp/image/image.html			
Insert Length: 362 Std Error: 0.00			
Seq primer: -40m13 fwd, ET from Amersham High quality sequence stop: 383.			
FEATURES	Location/Qualifiers		
source	1. 568 /organism="Homo sapiens" /db_xref="taxon:9606" /clone="IMAGE:95c356" /clone_lib="NCI_CGAP_Pr3" /sex="Male" /dev_stage="45 years old" /lab_host="DH10B" /note="Vector: pAMP10; Site_1: Not1; Site_2: EcoRI; 1st strand cDNA was primed with oligo(dT)17 on 50 ng of DNase-treated, total cellular RNA obtained from 5,000-10,000 microdissected cells histologically-determined to be fully malignant prostate cancer cells. Double stranded cDNA was ligated to EcoRI adaptors, 5 cycles of PCR applied to the cDNA with an adaptor-specific primer, and the resulting PCR product subcloned into pAMP10 by the UDG-cloning method (Life Technologies). Average insert size is 600 bp. NONE: Not directionally cloned. This library was constructed by David Krizman."	RESULT 5 AI317423 LOCUS uj22e09.y1 Sugano mouse kidney mRNA Mus musculus cDNA clone IMAGE:19.0712 5' similar to gb:X53779 Mouse mRNA for androgen receptor (MOUSE); mRNA sequence.	
ORIGIN	BASE COUNT 186 a 99 c 153 g 130 t	724 bp mRNA linear EST 17-DEC-1998 1 (bases 1 to 724) Mammalia: Eutheria; Rodentia; Sciurognathini; Murinae; Muridae; Murinae; Mus, Marra,M., Allen,M., Bowles,M., Dietrich,N., Dubuque,T., Geisel,S., Kucaba,T., Lacy,M., Le,M., Martin,J., Morris,M., Scheellenberg,K., Stepcie,M., Tan,F., Underwood,K., Moore,B., Thelisling,B., Wyllie,T., Lennon,G., Soares,B., Wilson,R., and Waterston,R.	
BASE COUNT	Query Match 9.9%; Score 501.4; DB 9; Length 568; Best Local Similarity 98.5%; Pred. No. 1.2e-61; Mismatches 0; Indels 6; Gaps 2;	REFERENCE TITLE The WashU-HMMI Mouse EST Project JOURNAL Unpublished (1996) COMMENT Contact: Marra M/Mouse EST Project WashU-HMMI Mouse EST Project Washington University School of Medicine 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108 Tel: 314 286 1800 Fax: 314 286 1810 Email: mouseest@watson.wustl.edu This clone is available royalty-free through LINL; contact the IMAGE Consortium (info@image.lnl.gov) for further information.	
BASE COUNT	Query Match 9.9%; Score 501.4; DB 9; Length 568; Best Local Similarity 98.5%; Pred. No. 1.2e-61; Mismatches 0; Indels 6; Gaps 2;	ORGANISM "Mus musculus" strain="C57BL" /note="Organ: kidney; Vector: pME18S-FL3; Site_1: DraIII (CACTGCTG); Site_2: DraIII (ACCATGCTG); 1st strand cDNA was primed with an oligo(dT) primer [ATGGCCCTTCTTCTTCTTCTT]; double-stranded cDNA was ligated to a DraIII adaptor (TGTGCCCTACTGG), digested and cloned into distinct DraIII sites of the pME18S-FL3 vector (5' site CACTGCTG, 3' site ACCATGCTG). XbaI should be used to isolate the cDNA insert. Size selection was performed to exclude fragments <1.5kb. Library constructed by Dr. Sunio Sugano (University of Tokyo Institute of Medical Science). Custom primers for sequencing: 5' end primer CTTCGCTCAAAGCTGGG and 3' end primer CGACCTGCACTGGCACA."	
BASE COUNT	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	BASE COUNT 190 a 181 c 192 g 161 t ORIGIN	
BASE COUNT	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	
BASE COUNT	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	
BASE COUNT	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	
BASE COUNT	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	
BASE COUNT	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	
BASE COUNT	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	
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BASE COUNT	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	
BASE COUNT	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	
BASE COUNT	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	
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BASE COUNT	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	
BASE COUNT	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	
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BASE COUNT	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	
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BASE COUNT	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	
BASE COUNT	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	
BASE COUNT	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	
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BASE COUNT	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	
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BASE COUNT	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	
BASE COUNT	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	
BASE COUNT	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	
BASE COUNT	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	
BASE COUNT	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	
BASE COUNT	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	
BASE COUNT	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	
BASE COUNT	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	
BASE COUNT	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	
BASE COUNT	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	
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BASE COUNT	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	
BASE COUNT	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	
BASE COUNT	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	
BASE COUNT	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	
BASE COUNT	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	
BASE COUNT	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	
BASE COUNT	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	
BASE COUNT	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	
BASE COUNT	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	
BASE COUNT	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	
BASE COUNT	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	
BASE COUNT	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Indels 4; Gaps 3;	
BASE COUNT	Query Match 9.1%; Score 462.2; DB 9; Length 724; Best Local Similarity 82.8%; Pred. No. 3.3e-56; Mismatches 0; Ind		

RESULT	6						
DEFINITION	AA229063	nc49-07.s1 NCI_CGAP_Pr3	388 bp	mRNA	linear	EST 21-AUG-1997	QY 4682 GATGTCCTCTGCCTGTTATACTCTGCACACTCTGCAGTGCCTGGGAATTTCCT 4741
LOCUS		similar to gb:M2323_3 ANDROGIN RECEPTOR (HUMAN), mRNA sequence.					Db 242 GATGTCCTCTGCCTGTTATACTCTGCACACTCTGCAGTGCCTGGGAATTTCCT 301
ACCESSION	AA229063						QY 4742 CTATTGATGTAAGTGTCAATGTCCTGAATTCATTTGCTGGCTTTTTTT 4801
VERSION	AA229063.1	GI:1852047					Db 302 CTATTGATGTAAGTGTCAATGTCCTGAATTCATTTGCTGGCTTTTTTT 361.
KEYWORDS							
SOURCE	Homo sapiens						
ORGANISM	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominoidea; Homo.						
REFERENCE	1 (bases 1 to 388)					RESULT 7	
AUTHORS	NCI-CGAP	<a href="http://www.ncbi.nlm.nih.gov/ncicgap">http://www.ncbi.nlm.nih.gov/ncicgap</a> .				AA229062/c	
TITLE	National Cancer Institute, Cancer Genome Anatomy Project (CGAP), Tumor Gene Index					LOCUS nc4907_r1 NCI_CGAP_Pr3	369 bp mRNA linear EST 21-AUG-1997
JOURNAL	Unpublished (1997)					DEFINITION similar to gb: M2323_3 ANDROGIN RECEPTOR (HUMAN), mRNA sequence.	IMAGE:1011516
COMMENT	Contact: Robert Strausberg, Ph.D. Email: cgapps@mail.nih.gov Tissue Procurement: W. Marston Linehan, M.D., Rodrigo Chuquai, M.D., Michael Emmert-Buck, M.D., Ph.D.					ACCESSION AA229062	
	CDNA Library Preparation: David B. Krimman, Ph.D.					VERSION AA229062.1	EST.
	CDNA Library Arrayed by: Genome Systems Inc., Greg Lennon, Ph.D.					KEYWORDS SOURCE	
	DNA Sequencing by: Washington University Genome Sequencing Center					ORGANISM Homo sapiens	
	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominoidea; Homo.						

REFERENCE 1 (bases 1 to 369) NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.

AUTHORS National Cancer Institute, Cancer Genome Anatomy Project (CGAP), Tumor Gene Index

TITLE Unpublished (1997)

JOURNAL

COMMENT Contact: Robert Strausberg, Ph.D.

Email: cgaps@mail.nih.gov

Tissue Procurement: W. Marston Linehan, M.D., Rodrigo Chuquui, M.D., Michael Ermert-Buck, M.D., Ph.D.

cDNA Library Preparation: David B. Krimzman, Ph.D.

cDNA Library Arrayed by: Genome Systems Inc., Greg Lennon, Ph.D.

DNA Sequencing by: Washington University Genome Sequencing Center

Clone distribution: NCI-CGAP clone distribution information can be found through the I.M.A.G.E. Consortium/LINL at: www.bio1ini.gov/birp/Image/Image.html

Seq Primer: -28m3 rev1 ET from Amersham

High quality sequence stop: 341.

Location/Qualifiers 1..369

FEATURES source /organism="Homo sapiens" /db\_xref="taxon:9606" /clone="IMAGE:1011516" /clone\_lib="NCI\_CGAP\_Pri3" /sex="Male" /dev\_stae="45 years old" /lab\_host="DH10B"

/note="Vector: PAMP10; Site 1: Not1; Site 2: EcoRI; 1st strand cDNA was primed with oligo(dT)17 on 50 ng of DNase-treatised, total cellular RNA obtained from 5,000-10,000 microdissected cells histologically-determined to be fully malignant prostate cancer cells. Double-stranded cDNA was ligated to EcoRI adaptors, 5 cycles of PCR applied to the cDNA with an adaptor-specific primer, and the resulting PCR product subcloned into PAMP10 by the UDG-cloning method (Life Technologies). Average insert size is 600 bp. NOTE: Not directionally cloned. This library was constructed by David Krimzman."

BASE COUNT 142 a 67 c 93 g 67 t

ORIGIN

Query Match 7.38: Score 369; DB 9; Length 369;

Best Local Similarity 100.0%; Pred. No. 7.9e-43;

Matches 369; Conservative 0; Mismatches 0; Gaps 0;

QY 4680 CAGATGCTCTGCCMGTATAACTCTGCACACTACGCCCTGGGAATTTC 4739

Db 369 CAGATGCTCTGCCMGTATAACTCTGCACACTACGCCCTGGGAATTTC 310

QY 4740 CTCATGATGATGACGTCTGATGACATGTCATGAACTTCTGAACTCTATTGCTGGCTTTTT 4799

Db 309 CTCATGATGATGACGTCTGATGACATGTCATGAACTCTGAACTCTATTGCTGGCTTTTT 250

QY 4800 TTCTCTCTCTCCMTCCTTCCTCCCTATCTAACCTCCATGGCACCT 4859

Db 249 TTCTCTCTCTCTCCCTTCCTCCCTATCTAACCTCCATGGCACCT 190

QY 4860 TCAGACTTGCTTCCCATTGGCCTCTATCTGTTGATGGTTATGCCCTTA 4919

Db 189 TCGACTTGTGCTCCATTGGCTCTATCTGTTGATGGTTATGCCCTTA 130

QY 4920 AACCTGTGATGACCTCATATGCCCAAGTGTCAACTGTGCTTACACCACTACTT 4979

Db 129 AACCTGTGATGATGCCCTCATATGCCCAAGTGTCAAGTGTGCTTACACCACTCT 70

QY 4980 GTGCCAGCACAACAAACCTTACTTACTTATGCCACGGAACTTAGAGCTAAGATT 5039

Db 69 GTGCCAGCACAACAAACSTTACTTATGCCACGGAACTTAGAGCTAAGATT 10

QY 5040 ATCTGGGA 5048

Db 9 ATCTGGGA 1

RESULT 8 BB617970 mRNA linear; EST 26-OCT-2001

LOCUS BB617970 RIKEN full-length enriched, adult male pituitary gland Mus musculus CDNA clone 5330428G13 5', mRNA sequence.

DEFINITION BB617970

ACCESSION BB617970

VERSION BB617970.1 GI:16457679

KEYWORDS EST, house mouse, Mus musculus

ORGANISM Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognath; Murinae; Mus.

REFERENCE 1 (bases 1 to 628)

AUTHORS Arakawa,T., Carninci,P., Fukuda,S., Furuno,M., Hanagaki,T., Hara,A., Hiramoto,K., Horii,F., Ishii,Y., Ito,M., Kawai,J., Kohno,H., Kouada,M., Koya,S., Matsuyama,T., Miyazaki,A., Nohno,M., Nomura,K., Okada,Y., Okido,T., Saito,R., Sakai,C., Sakai,K., Sano,H., Sasaki,D., Shibata,A., Shinawara,A., Shiraki,T., Sogabe,Y., Suzuki,H., Tagami,M., Tagawa,Y., Takahashi,F., Takeda,Y., Tanaka,T., Toyoda,T., Muramatsu,M., and Hayashizaki,Y.

CARINCI, P., ARAKAWA, T., HIRAMOTO, K., KOUADA, M., KOYA, S., NOMURA, K., NOHNO, M., SHIBATA, A., SHINAWARA, A., SAKAI, C., SAKAI, K., SANO, H., SAKI, K., SOGABE, Y., SUZUKI, H., TAGAMI, M., TAGAWA, Y., TAKAHASHI, F., TAKEDA, Y., TANAKA, T., TOYODA, T., MURAMATSU, M., AND HAYASHIZAKI, Y.

SOURCE RIKEN Mouse ESTs (Arakawa,T., et al. 2001)

COMMENT Unpublished (2001)

CONTACT Yoshihide Hayashizaki Laboratory for Genome Exploration Research Group, RIKEN Genomic Sciences Center(GSC), Yokohama Institute of Physical and Chemical Research (RIKEN) 1-7-22 Sushiro Cho, Tsurumi-ku, Yokohama, Kanagawa 230-0045, Japan Tel: 81-45-503-9222 Fax: 81-45-503-9226 Email: genome-tes@gsc.riken.go.jp, Carninci,P., Shibata,Y., Hayatsu,N., Sugahara,Y., Shibata,K., Itoh,M., Konno,H., Okazaki,Y., Muramatsu,M., and Hayashizaki,Y.

Normalization and subtraction of cap-trapper-selected cDNAs to prepare full-length cDNA libraries for rapid discovery of new genes. Genome Res. 10 (10), 1617-1630 (2000).

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KONNO,H., FUKUNISHI,Y., SHIBATA,K., ITOH,M., CARINCI,P., SUGAHARA,Y., AND HAYASHIZAKI,Y.

Computer-based methods for the mouse full-length cDNA encyclopedia: real-time sequence clustering for construction of a nonredundant cDNA library. Genome Res. 11 (2), 281-289 (2001).

KONDO,S., SHINAGAWA,A., SAITO,T., KIYOSAWA,H., YAMANDKA,I., AIZAWA,K., FUKUDA,S., HARA,A., ITOH,M., KAWAI,J., SHIBATA,K., AND HAYASHIZAKI,Y.

Computational Analysis of Full-Length Mouse cDNAs Compared with Human Genome Sequences. Mamm. Genome. 12, 67-677 (2001).

Please visit our web site (<http://genome.gsc.riken.go.jp>) for further details.

FEATURES Location/Qualifiers

source 1..628

/organism="Mus musculus"

/strain="C57BL/6J"

/db\_xref="taxon:10090"

/clone="5330428G13"

/clone\_lib="RIKEN full-length enriched, adult male pituitary gland"

/sex="male"

/tissue\_type="pituitary gland"

/dev\_stage="adult"

/lab\_host="DH10B"

/note="Site:1; Sali: Site:2; BaitII; cDNA library was prepared and sequenced in Mouse Genome Encyclopedia project of Genome Exploration Research Group in Riken Genomic Sciences Center and Genome Science Laboratory in RIKEN. Division of Experimental Animal Research in Riken

ACCESSION	T28396	GI:	610494
VERSION	T28396.1		
KEYWORDS	EST.		
SOURCE	Human.		
ORGANISM	Human sapiens		
REFERENCE	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.		
AUTHORS	1 (bases 1 to 413)		
Clire, R.T., Lee, N., Kirkness, E.F., Fleischmann, R.D., Fulndner, R.A., Bult, C.J., Suton, G., Blake, J.A., Brandon, R.C., Chiu, M.-W., Claycoyne, J.D., White, L.M., FitzHugh, W.M., Fritchman, L., Weinstein, K.G., Gocayne, J.D., White, Gneim, C.L., Hanna, M.C., Heublom, E., Geoghegan, N.S.M., Glodek, A., Klinek, K.M., Kelley, J.C., Lin, L.-I., Marmaros, S.N., Merrick, J.M., Moreno-Palauques, R.F., McDonald, D.T., Pellegrino, S.M., Phillips, C.A., Roder, E., Scott, J.L., Saudef, D.M., Shirley, R., Small, K.V., Springs, T.A., Utterback, T.R., Weidman, J.F., Li, Y., Bednarik, D.P., Cao, L., Cepeda, M.A., Coleman, T.A., Collins, E., J., Dime, D., Feng, P., Ferrie, A., Fischer, C., Hastings, G.A., He, W.-W., Hu, J.-S., Greene, J.M., Gruber, J., Hudson, P., Kim, A., Koza, D.L., Kunsch, C., Ji, H., Li, H., Meissner, P.S., Olsen, H., Raymond, L., Wei, Y.-F., Wing, J.J., Xu, C., Yu, G.-L., Ruben, S.M., Dillon, P.J., Fagnoni, M.R., Rosen, C.A., Haseltine, W.A., Fields, C., Fraser, C.M., and Verier, J.C.			
TITLE	Initial Assessment of Human Gene Diversity and Expression Patterns Based Upon 83 Million Basepairs of cDNA Sequence		
JOURNAL	Nature 377, 3-174 (1995)		
MEDIUM	96026280		
COMMENT	Contact: Verier, JC The Institute for Genomic Research 932 Clopper Rd, Gaithersburg, MD 20878 Fax: 301869423 Email: tdbinfo@tcb.tigr.org For clone availability, additional sequence and expression information related to this EST, please contact the TIGR Database (tdbinfo@tcb.tigr.org) Seq primer: M13 Reverse. Location/Qualifiers 1..413 /organism="Homo sapiens" /db_xref="ATCC (InPost):102309" /db_xref="Taxon:9606" /clone.lib="Human Uterus" /note="Organ: uterus"		
FEATURES	source		
BASE COUNT	100 a 108 c 92 g 107 t 6 others		
ORIGIN			
Query Match	7.1%	Score 361; DB 14; Length 413;	
Best Local Similarity	94.5%	Pred. No. 1e-41; Mismatches 0; Indels 1; Gaps 1	
Matches	381; Conservative		
Qy	CTTCGGAACTTACAGCTGGGACGCCAGGCCGCTCATCTGACTCTGGATGTAGCTGGATGGCT 4106		
Db	1 CTTCGGAACTTACAGCTGGGACGCCAGGCCGCTCATCTGACTCTGGATGTAGCTGGATGGCT 60		
Qy	CATGGTTTGCATGGCTGGCATCCTCAACATGTCACATCCAGATGTCATTCTGATCTACTT 4166		
Db	61 CATGGTTTGCATGGCTGGCATCCTCAACATGTCACATCCAGATGTCATTCTGATCTACTT 120		
Qy	CCCCCTGATGAAAGGACTCTCTAACATGATTAATCCATGTCACAGTCCGGATGTAGCCAGTT 4286		
Db	181 TGTCCAATGAGCACTCTCAAGAATTGGGTCAAATCACCCCTCAGGATT 240		
Qy	CCTGTGCTGATGAAAGGACTCTCTAACATGATTAATCCATGTCACAGTCCGGATGTAGCCAGTT 4346		
Db	241 CCTGTGCTGATGAAAGGACTCTCTAACATGATTAATCCATGTCACAGTCCGGATGTAGCCAGTT 200		









